

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/831,047C

DATE: 11/16/2001
TIME: 07:59:08

Input Set : A:\wst93AUSA.txt
Output Set: N:\CRF3\11162001\I831047C.raw

3 <110> APPLICANT: The Wistar Institute of Anatomy and Biology
4 The Trustees of the University of Pennsylvania
5 Blaszczyk-Thurin, Magdalena
6 Kieber-Emmons, Thomas
8 <120> TITLE OF INVENTION: Compositions and Methods For Treatment of Cancer
10 <130> FILE REFERENCE: WST93AUSA
12 <140> CURRENT APPLICATION NUMBER: US/09/831,047C
13 <141> CURRENT FILING DATE: 2001-05-03
15 <150> PRIOR APPLICATION NUMBER: 60/107,478
16 <151> PRIOR FILING DATE: 1998-11-06
18 <160> NUMBER OF SEQ ID NOS: 121
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 12
24 <212> TYPE: PRT
25 <213> ORGANISM: peptido-mimetic of a Lewis antigen
27 <400> SEQUENCE: 1
29 Asp Leu Trp Asp Trp Val Val Gly Lys Pro Ala Gly
30 1 5 10
33 <210> SEQ ID NO: 2
34 <211> LENGTH: 12
35 <212> TYPE: PRT
36 <213> ORGANISM: peptido-mimetic of a Lewis antigen
38 <400> SEQUENCE: 2
40 Asp Ala Trp Asp Trp Val Val Gly Lys Pro Ala Gly
41 1 5 10
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 12
46 <212> TYPE: PRT
47 <213> ORGANISM: peptido-mimetic of a Lewis antigen
49 <400> SEQUENCE: 3
51 Asp Asp Trp Asp Trp Val Val Gly Lys Pro Ala Gly
52 1 5 10
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 12
57 <212> TYPE: PRT
58 <213> ORGANISM: peptido-mimetic of a Lewis antigen
60 <400> SEQUENCE: 4
62 Asp Tyr Trp Asp Trp Val Val Gly Lys Pro Ala Gly
63 1 5 10
66 <210> SEQ ID NO: 5
67 <211> LENGTH: 12
68 <212> TYPE: PRT
69 <213> ORGANISM: peptido-mimetic of a Lewis antigen
71 <400> SEQUENCE: 5
73 Asp Glu Trp Asp Trp Val Val Gly Lys Pro Ala Gly
74 1 5 10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/831,047C

DATE: 11/16/2001
TIME: 07:59:08

Input Set : A:\wst93AUSA.txt
Output Set: N:\CRF3\11162001\I831047C.raw

77 <210> SEQ ID NO: 6
78 <211> LENGTH: 12
79 <212> TYPE: PRT
80 <213> ORGANISM: peptido-mimetic of a Lewis antigen
82 <400> SEQUENCE: 6
84 Asp Lys Trp Asp Trp Val Val Gly Lys Pro Ala Gly
85 1 5 10
88 <210> SEQ ID NO: 7
89 <211> LENGTH: 12
90 <212> TYPE: PRT
91 <213> ORGANISM: peptido-mimetic of a Lewis antigen
93 <400> SEQUENCE: 7
95 Asp Arg Trp Asp Trp Val Val Gly Lys Pro Ala Gly
96 1 5 10
99 <210> SEQ ID NO: 8
100 <211> LENGTH: 12
101 <212> TYPE: PRT
102 <213> ORGANISM: peptido-mimetic of a Lewis antigen
104 <400> SEQUENCE: 8
106 Asp Ser Trp Asp Trp Val Val Gly Lys Pro Ala Gly
107 1 5 10
110 <210> SEQ ID NO: 9
111 <211> LENGTH: 12
112 <212> TYPE: PRT
113 <213> ORGANISM: peptido-mimetic of a Lewis antigen
115 <400> SEQUENCE: 9
117 Asp Leu His Asp Trp Val Val Gly Lys Pro Ala Gly
118 1 5 10
121 <210> SEQ ID NO: 10
122 <211> LENGTH: 12
123 <212> TYPE: PRT
124 <213> ORGANISM: peptido-mimetic of a Lewis antigen
126 <400> SEQUENCE: 10
128 Asp Leu Tyr Asp Trp Val Val Gly Lys Pro Ala Gly
129 1 5 10
132 <210> SEQ ID NO: 11
133 <211> LENGTH: 12
134 <212> TYPE: PRT
135 <213> ORGANISM: peptido-mimetic of a Lewis antigen
137 <400> SEQUENCE: 11
139 Asp Leu Phe Asp Trp Val Val Gly Lys Pro Ala Gly
140 1 5 10
143 <210> SEQ ID NO: 12
144 <211> LENGTH: 12
145 <212> TYPE: PRT
146 <213> ORGANISM: peptido-mimetic of a Lewis antigen
148 <400> SEQUENCE: 12
150 Asp Leu Met Asp Trp Val Val Gly Lys Pro Ala Gly
151 1 5 10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/831,047CDATE: 11/16/2001
TIME: 07:59:08Input Set : A:\wst93AUSA.txt
Output Set: N:\CRF3\11162001\I831047C.raw

154 <210> SEQ ID NO: 13
155 <211> LENGTH: 12
156 <212> TYPE: PRT
157 <213> ORGANISM: peptido-mimetic of a Lewis antigen
159 <400> SEQUENCE: 13
161 Asp Leu Ala Asp Trp Val Val Gly Lys Pro Ala Gly
162 1 5 10
165 <210> SEQ ID NO: 14
166 <211> LENGTH: 12
167 <212> TYPE: PRT
168 <213> ORGANISM: peptido-mimetic of a Lewis antigen
170 <400> SEQUENCE: 14
172 Asp Leu Glu Asp Trp Val Val Gly Lys Pro Ala Gly
173 1 5 10
176 <210> SEQ ID NO: 15
177 <211> LENGTH: 12
178 <212> TYPE: PRT
179 <213> ORGANISM: peptido-mimetic of a Lewis antigen
181 <400> SEQUENCE: 15
183 Asp Leu Asp Asp Trp Val Val Gly Lys Pro Ala Gly
184 1 5 10
187 <210> SEQ ID NO: 16
188 <211> LENGTH: 12
189 <212> TYPE: PRT
190 <213> ORGANISM: peptido-mimetic of a Lewis antigen
192 <400> SEQUENCE: 16
194 Asp Leu Lys Asp Trp Val Val Gly Lys Pro Ala Gly
195 1 5 10
198 <210> SEQ ID NO: 17
199 <211> LENGTH: 12
200 <212> TYPE: PRT
201 <213> ORGANISM: peptido-mimetic of a Lewis antigen
203 <400> SEQUENCE: 17
205 Asp Leu Arg Asp Trp Val Val Gly Lys Pro Ala Gly
206 1 5 10
209 <210> SEQ ID NO: 18
210 <211> LENGTH: 12
211 <212> TYPE: PRT
212 <213> ORGANISM: peptido-mimetic of a Lewis antigen
214 <400> SEQUENCE: 18
216 Asp Leu Ser Asp Trp Val Val Gly Lys Pro Ala Gly
217 1 5 10
220 <210> SEQ ID NO: 19
221 <211> LENGTH: 12
222 <212> TYPE: PRT
223 <213> ORGANISM: peptido-mimetic of a Lewis antigen
225 <400> SEQUENCE: 19
227 Asp Leu Trp Glu Trp Val Val Gly Lys Pro Ala Gly
228 1 5 10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/831,047C

DATE: 11/16/2001
TIME: 07:59:08

Input Set : A:\wst93AUSA.txt
Output Set: N:\CRF3\11162001\I831047C.raw

231 <210> SEQ ID NO: 20
232 <211> LENGTH: 12
233 <212> TYPE: PRT
234 <213> ORGANISM: peptido-mimetic of a Lewis antigen
236 <400> SEQUENCE: 20
238 Asp Leu Trp Ser Trp Val Val Gly Lys Pro Ala Gly
239 1 5 10
242 <210> SEQ ID NO: 21
243 <211> LENGTH: 12
244 <212> TYPE: PRT
245 <213> ORGANISM: peptido-mimetic of a Lewis antigen
247 <400> SEQUENCE: 21
249 Asp Leu Trp Pro Trp Val Val Gly Lys Pro Ala Gly
250 1 5 10
253 <210> SEQ ID NO: 22
254 <211> LENGTH: 12
255 <212> TYPE: PRT
256 <213> ORGANISM: peptido-mimetic of a Lewis antigen
258 <400> SEQUENCE: 22
260 Asp Leu Trp Val Trp Val Val Gly Lys Pro Ala Gly
261 1 5 10
264 <210> SEQ ID NO: 23
265 <211> LENGTH: 12
266 <212> TYPE: PRT
267 <213> ORGANISM: peptido-mimetic of a Lewis antigen
269 <400> SEQUENCE: 23
271 Asp Leu Trp Met Trp Val Val Gly Lys Pro Ala Gly
272 1 5 10
275 <210> SEQ ID NO: 24
276 <211> LENGTH: 12
277 <212> TYPE: PRT
278 <213> ORGANISM: peptido-mimetic of a Lewis antigen
280 <400> SEQUENCE: 24
282 Asp Leu Trp Tyr Trp Val Val Gly Lys Pro Ala Gly
283 1 5 10
286 <210> SEQ ID NO: 25
287 <211> LENGTH: 12
288 <212> TYPE: PRT
289 <213> ORGANISM: peptido-mimetic of a Lewis antigen
291 <400> SEQUENCE: 25
293 Asp Leu Trp Asp His Val Val Gly Lys Pro Ala Gly
294 1 5 10
297 <210> SEQ ID NO: 26
298 <211> LENGTH: 12
299 <212> TYPE: PRT
300 <213> ORGANISM: peptido-mimetic of a Lewis antigen
302 <400> SEQUENCE: 26
304 Asp Leu Trp Asp Tyr Val Val Gly Lys Pro Ala Gly
305 1 5 10

RAW SEQUENCE LISTING
PATIENT APPLICATION: US/09/831,047C

DATE: 11/16/2001
TIME: 07:59:08

Input Set : A:\wst93AUSA.txt
Output Set: N:\CRF3\11162001\I831047C.raw

```

308 <210> SEQ ID NO: 27
309 <211> LENGTH: 12
310 <212> TYPE: PRT
311 <213> ORGANISM: peptido-mimetic of a Lewis antigen
313 <400> SEQUENCE: 27
315 Asp Leu Trp Asp Met Val Val Gly Lys Pro Ala Gly
316 1 5 10
319 <210> SEQ ID NO: 28
320 <211> LENGTH: 12
321 <212> TYPE: PRT
322 <213> ORGANISM: peptido-mimetic of a Lewis antigen
324 <400> SEQUENCE: 28
326 Asp Leu Trp Asp Ala Val Val Gly Lys Pro Ala Gly
327 1 5 10
330 <210> SEQ ID NO: 29
331 <211> LENGTH: 12
332 <212> TYPE: PRT
333 <213> ORGANISM: peptido-mimetic of a Lewis antigen
335 <400> SEQUENCE: 29
337 Asp Leu Trp Asp Asp Val Val Gly Lys Pro Ala Gly
338 1 5 10
341 <210> SEQ ID NO: 30
342 <211> LENGTH: 12
343 <212> TYPE: PRT
344 <213> ORGANISM: peptido-mimetic of a Lewis antigen
346 <400> SEQUENCE: 30
348 Asp Leu Trp Asp Glu Val Val Gly Lys Pro Ala Gly
349 1 5 10
352 <210> SEQ ID NO: 31
353 <211> LENGTH: 12
354 <212> TYPE: PRT
355 <213> ORGANISM: peptido-mimetic of a Lewis antigen
357 <400> SEQUENCE: 31
359 Asp Leu Trp Asp Lys Val Val Gly Lys Pro Ala Gly
360 1 5 10
363 <210> SEQ ID NO: 32
364 <211> LENGTH: 12
365 <212> TYPE: PRT
366 <213> ORGANISM: peptido-mimetic of a Lewis antigen
368 <400> SEQUENCE: 32
370 Asp Leu Trp Asp Arg Val Val Gly Lys Pro Ala Gly
371 1 5 10
374 <210> SEQ ID NO: 33
375 <211> LENGTH: 12
376 <212> TYPE: PRT
377 <213> ORGANISM: peptido-mimetic of a Lewis antigen
379 <400> SEQUENCE: 33
381 Asp Leu Trp Asp Ser Val Val Gly Lys Pro Ala Gly
382 1 5 10

```

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/831,047C

DATE: 11/16/2001

TIME: 07:59:09

Input Set : A:\wst93AUSA.txt

Output Set: N:\CRF3\11162001\I831047C.raw

L:1124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100
L:1263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111
L:1280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112